Ministerie van Verkeer en Waterstaat

Rijkswaterstaat

Risk informed decision-making workshop

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Themes

General theme: Application of risk informed decision making

- Risk analysis
- Acceptable risk and decision making:
  - Cost benefit analysis
  - inclusion of other functions (social, environmental)
- risk based design of flood protection systems:
  - Derivation of design criteria for the design of flood protection systems
  - Protection measures: Storm surge barriers, wetlands

Interactions with other workshops

- Modeling methodologies for storm surges and hurricanes:
  - quantification of hurricane risks
  - Derivation of hydraulic design loads

  -> joint session on Tuesday afternoon

- Structural and non-strucural measures
- Deltaic soils

Program overview: Monday

Monday afternoon (13.00 – 17.00):

- IPET risk model and quantification of hurricane risks (Resio)
- Flood defence in the Netherlands and risk-based approach (Timmer / Jonkman)
- Perspectives following from IPET (Prof. Battjes)
- Risk analysis and dealing with uncertainties (Prof. Vrouwenvelder)
- Discussion

Program overview: Tuesday

morning (9.00 – 12.00)

- Flood risk analysis in the Netherlands (Roos)
- Risk based design of storm surge barriers (Beaufort)
- IHNC flood gates conceptual study (Dircke)

Afternoon (13.00-14.30):

- Joint session with modeling methodologies: ‘statistical modeling of hydraulic design loads

Afternoon (15.00-17.00)

- Discussion
- Elaboration of workshop conclusions and future collaboration plans